Name of work : Providing and laying HDPE

CIVIL XPERTS
ISO 9001:2008
CONSULTANTS & TESTING CENTER

174, Sri Ranga Complex
Amrutha Nagar Main Road
New Bank Colony, Konanakunte
Bangalore - 560 062.
Mobile : +91 97429 59595
Tele/Fax : 080-2632 2565
E-mail : civilexpertsltd@gmail.com
URL : www.civilexperts.in

NABL ACCREDITED AS PER ISO/IEC 17025:2005

Job No.: CECTC-SK-PMC-2014-15 **Date:** 02.06.2014

Aggregate Impact Value
IS: 2386 Part IV

Client	**Executive Engineer,** Rajarajeshwari Nagara Division, BBMP, Bangalore.
Agency	**Sri.Shivakumar K,** Contractor, Bangalore.
Name of the Work	Providing and Laying HDPE Water line in Chanappa Garden and Sundara Nagara Block-1 in J P Park, Ward No 17
Reference	EE/RRND/Wo.No/238/2013-14 Date: 07.02.2014
Type of Mix	Wet Mix macadam
Date of Testing	02.06.2014

Sl No.	Details	Trial No. 1	2	3	Average
1	Total weight of aggregate sample filling the cylindrical measure = W_1 g	365	370	372	
2	Weight of agregate passing 2.36 mm sieve after the test = W_2 g	85	84	87	
3	Weight of aggregate retained 2.36 mm sieve after the test = W_3 g	280	286	285	
4	Aggregate Impact value = percent fines 100* (W_2/W_1)%	23.29	22.70	23.39	23.13

Comments:

→ Maximum allowable Aggregate Impact value for Wet mix Macadam is 30%

Note:

→ This test report should not be reproduced except in full, without written approval of the laboratory
→ The results indicated above are based on the tests carried out on the samples received in the laboratory
→ Any Query regarding the report must be reported within 15 days from the date of testing.

For Civil Experts

Authorised Signature

Scanned by CamScanner

CIVIL XPERTS
ISO 9001:2008
CONSULTANTS & TESTING CENTER

174, Sri Ranga Complex
Amrutha Nagar Main Road
New Bank Colony, Konanakunte
Bangalore - 560 062.
Mobile : +91 97429 59595
Tele/Fax : 080-2632 2565
E-mail : civilexpertsltd@gmail.com
URL : www.civilexperts.in

NABL ACCREDITED AS PER ISO/IEC 17025:2005

Job No.: CECTC-SK-PMC-2014-15 Date : 02.06.2014

GRADATION FOR WMM
MORTH TABLE-400-11

Client : **Executive Engineer,** Rajarajeshwari Nagara Division, BBMP, Bangalore.
Agency : **Sri.Shivakumar K,** Contractor, Bangalore.
Name of Work : Providing and Laying HDPE Water line in Chanappa Garden and Sundara Nagara Block-1 in J P Park, Ward No 17
Reference : EE/RRND/Wo.No/238/2013-14 Date: 07.02.2014
Date of Testing : 02.06.2014
Material Type : Wet Mix Macadam

Oven Dry.Wt 12441

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Spec.Limits
53	0	0	0	100	100
45	520	520	4.2	95.8	95-100
22.4	4365	4885	39.3	60.7	60-80
11.2	2250	7135	57.4	42.6	40-60
4.75	1960	9095	73.1	26.9	25-40
2.36	1140	10235	82.3	17.7	15-30
0.600	1026	11261	90.5	9.5	8-22
0.075	850	12111	97.3	2.7	0-8

Note:
1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 15 days from the date of testing.

For Civil Experts

Authorised Signature

Scanned by CamScanner

CIVIL XPERTS
ISO 9001:2008
CONSULTANTS & TESTING CENTER

174, Sri Ranga Complex
Amrutha Nagar Main Road
New Bank Colony, Konanakunte
Bangalore - 560 062.
Mobile : +91 97429 59595
Tele/Fax : 080-2632 2565
E-mail : civilexpertsltd@gmail.com
URL : www.civilexperts.in

NABL ACCREDITED AS PER ISO/IEC 17025:2005

Job No.: CECTC-SK-PMC-2014-15

Date : 02.06.2014

GRADATION FOR WMM
MORTH TABLE-400-11

Client : **Executive Engineer,** Rajarajeshwari Nagara Division, BBMP, Bangalore.
Agency : **Sri.Shivakumar K,** Contractor, Bangalore.
Name of Work : Providing and Laying HDPE Water line in Chanappa Garden and Sundara Nagara Block-1 in J P Park, Ward No 17
Reference : EE/RRND/Wo.No/238/2013-14 Date: 07.02.2014
Date of Testing : 02.06.2014
Material Type : Wet Mix Macadam

Oven Dry.Wt 12516

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Spec.Limits
53	0	0	0	100	100
45	500	500	4.0	96.0	95-100
22.4	4265	4765	38.1	61.9	60-80
11.2	2136	6901	55.1	44.9	40-60
4.75	2065	8966	71.6	28.4	25-40
2.36	1265	10231	81.7	18.3	15-30
0.600	1115	11346	90.7	9.3	8-22
0.075	840	12186	97.4	2.6	0-8

Note:
1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 15 days from the date of testing.

For Civil Experts

Authorised Signature

Scanned by CamScanner

Name of work :- Providing and laying ...

CIVIL XPERTS
ISO 9001:2008
CONSULTANTS & TESTING CENTER

174, Sri Ranga Complex
Amrutha Nagar Main Road
New Bank Colony, Konanakunte
Bangalore - 560 062.
Mobile : +91 97429 59595
Tele/Fax : 080-2632 2565
E-mail : civilexpertsltd@gmail.com
URL : www.civilexperts.in

NABL ACCREDITED AS PER ISO/IEC 17025:2005

Job No.: CECTC-SK-PMC-2014-15 Date : 02.06.2014

ATTERBERG LIMITS TEST FOR WMM
MORTH TABLE-400-11

Client : **Executive Engineer,** Rajarajeshwari Nagara Division, BBMP, Bangalore.

Agency :**Sri.Shivakumar K,** Contractor, Bangalore.

Name of Work : Providing and Laying HDPE Water line in Chanappa Garden and Sundara Nagara Block-1 in J P Park, Ward No 17

Reference : EE/RRND/Wo.No/238/2013-14 Date: 07.02.2014

Date of Testing : 02.06.2014

Material Type : Wet Mix Macadam

As per MORTH Table 400-13

Sl. No.	Particulars	Test Results	Standards as per Specifications
1	Liquid Limit	22.50	-
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 15 days from the date of testing.

For Civil Experts

Authorised Signature

Scanned by CamScanner

CIVIL XPERTS
ISO 9001:2008
CONSULTANTS & TESTING CENTER

174, Sri Ranga Complex
Amrutha Nagar Main Road
New Bank Colony, Konanakunte
Bangalore - 560 062.
Mobile : +91 97429 59595
Tele/Fax : 080-2632 2565
E-mail : civilexpertsltd@gmail.com
URL : www.civilexperts.in

NABL ACCREDITED AS PER ISO/IEC 17025:2005

Job No.: CECTC-SK-PMC-2014-15

Date : 02.06.2014

ATTERBERG LIMITS TEST FOR WMM
MORTH TABLE-400-11

Client : **Executive Engineer,** Rajarajeshwari Nagara Division, BBMP, Bangalore.

Agency : **Sri.Shivakumar K,** Contractor, Bangalore.

Name of Work : Providing and Laying HDPE Water line in Chanappa Garden and Sundara Nagara Block 1 in J P Park, Ward No 17

Reference : EE/RRND/Wo.No/238/2013-14 Date: 07.02.2014

Date of Testing : 02.06.2014

Material Type : Wet Mix Macadam

As per MORTH Table 400-13

Sl. No.	Particulars	Test Results	Standards as per Specifications
1	Liquid Limit	23.50	-
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 15 days from the date of testing.

For Civil Experts

Authorised Signature

Scanned by CamScanner